

WEST

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Apr 8, 1978

DERWENT-ACC-NO: 1978-35949A

DERWENT-WEEK: 197820

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TITLE: Inactivated hepatic B vaccine prepn. - by heating an aq. soln. of human plasma contg. the virus, recovering the protein and subjecting an aq. soln. of it to gel filtration

PATENT-ASSIGNEE:

ASSIGNEE

CODE

GREEN CROSS CORP

GREC

PRIORITY-DATA: 1976JP-0112733 (September 20, 1976)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 53038617 A	April 8, 1978		000	
JP 83040930 B	September 8, 1983		000	

INT-CL (IPC): A61K 39/12; C12K 5/00

ABSTRACTED-PUB-NO: JP 53038617A

BASIC-ABSTRACT:

The process comprises heating an aq. soln. of human plasma protein contg. hepatic B virus at a temp. by which the infectivity is lost but the antigenicity is not; recovering the protein from the soln. which precipitates by 27-50% saturation with (NH₄)₂SO₄ and subjecting an aq. soln. of the protein gel filtration through a filter for gel filtration by which material of mol. wt. of several 100,000 - several 1,000,000 can be sepd. in order to collect a fraction of antigen.

Highly pure vaccine can be obtained simply. The purity is approx. equal to that prepd. by density gradient ultracentrifugation or affinity chromatography.

TITLE-TERMS: INACTIVATE HEPATO VACCINE PREPARATION HEAT AQUEOUS SOLUTION HUMAN PLASMA CONTAIN VIRUS RECOVER PROTEIN SUBJECT AQUEOUS SOLUTION GEL FILTER

DERWENT-CLASS: B04 D16

CPI-CODES: B02-V; B12-A01; B12-G02; D05-H07;

CHEMICAL-CODES:

Chemical Indexing M1 *01*

Fragmentation Code

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